

1551nm Multimode Bandpass Filter

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs



SPECIFICATIONS

Parameters	Unit	Value	
Center Wavelength	nm	1551	
Min. Pass Band Width @ 0.5dB	nm	0.12, 0.3, 0.7, 2.5, 3.5, 5.5, 16	
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop Wavelength (ASE)	0.12nm Bandwidth	nm	1500~1550.4 & 1551.6~1600
	0.3nm Bandwidth	nm	1500~1550 & 1552~1600
	0.7nm Bandwidth	nm	1500~1549.5 & 1552.5~1600
	2.5nm Bandwidth	nm	1500~1548 & 1554~1600
	3.5nm Bandwidth	nm	1500~1547 & 1555~1600
	6.5nm Bandwidth	nm	1500~1545 & 1557~1600
16nm Bandwidth	nm	1500~1538 & 1564~1600	
Stop Wavelength (ASE)	Standard	dB	≥25
Isolation	High Isolation	dB	≥45
ASE Direction	-	F: Forward, B: Backward, T: Two-way	
Configuration	-	D: 2-port, Y: 3-port, X: 4-port	
Optical Return Loss	dB	≥30	
Fiber Type	Input&Output	-	50/125um (OM2) or 62.5/125um (OM1) MM Fiber 50/125um OM3 MM Fiber (3) or OM4 MM Fiber(4) 105/125um MM Fiber, NA=0.12(D), 0.15(B), 0.22(A)
	ASE Guide Out (Y/X Type)	-	Same Fiber
Fiber Tensile Load	N	5	
Max. Optical Power (CW, ASE+Signal)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5xL35
	Metal Box	mm	L120xW12xH10

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 10dB lower.
 - Specifications are tested at low order modes.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available.
 - Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FMBP-1551-NN(C) (C) - (C) (C) -(C) C C NN - CC/CCC

Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
03-0.3nm	B=Backward	I=High	Y=Same Fiber	Y=Same Fiber	M=Metal Box	5= 50/125um MM Fiber	B= Bare fiber	05=0.5m	N=Without Connector
07-0.7nm	T=Two-way	Isolation	N=None	Blank for None or D Type	Blank for SST	6= 62.5/125um MM Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
35-3.5nm	Blank for Forward	Blank for	Blank for D Type			3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
160-16nm		Standard				A= 105/125um, NA=0.22	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector
						B=105/125um, NA=0.15			

